



Burke County Satellite-Connected Backup E911 PSAP

- Concept is a result of collaboration by:
 - Burke County MIS
 - Wireless Communications
 - Plant/CML
 - SDN Global Communications



Current Situation

- Emergency Operations Center
 - ECS-1000 ANI/ALI Controller
 - 5 Sentinel Workstations
- Morganton Public Safety
 - 3 Remote Workstations off the ECS-1000
- Burke County Sheriff's Department
 - 3 Remote Workstations off the ECS-1000
- Valdese Public Safety
 - RescueStar ANI/ALI Controller
 - 3 Sentinel Workstations



Identified Issues

- Any major catastrophe in Morganton could disable the EOC, Morganton Public Safety, and Burke Sheriff
- Valdese Public Safety unable to handle the potential workload



Objectives

- Establish a backup independent of any infrastructure within Burke County
- Provide maximum flexibility
- Provide full E-911 capabilities including:
 - ANI
 - ALI
 - Wireless Phase II
- Ability to provide additional call-handling ability even when all PSAPs are available
- Ability to process calls outside of disaster-impacted area



Solution:

Backup PSAP

- Mobile Command Unit
 - Patriot IP-based ANI / ALI E9-1-1 System
 - 3 Sentinel Workstations
 - 3 9-1-1 Trunks
 - 1.2 Meter Autopoint Dish System
 - Satellite Service



Call Routing

- New E911 trunk group for backup PSAP
- New group is pre-defined alternate route for County PSAPs
- Answering position at Valdese to monitor group and process possible calls when command unit not deployed
- Foreign PSAPs could route calls to the group after coordination with Burke



Result

- A geo-diverse backup capability
- Ability to fully back up any PSAP which is:
 - Served by the University tandem and
 - Uses AT&T (Intrado) ALI database
- Leverages existing investment to economically implement a full backup capability
- Flexible deployment options

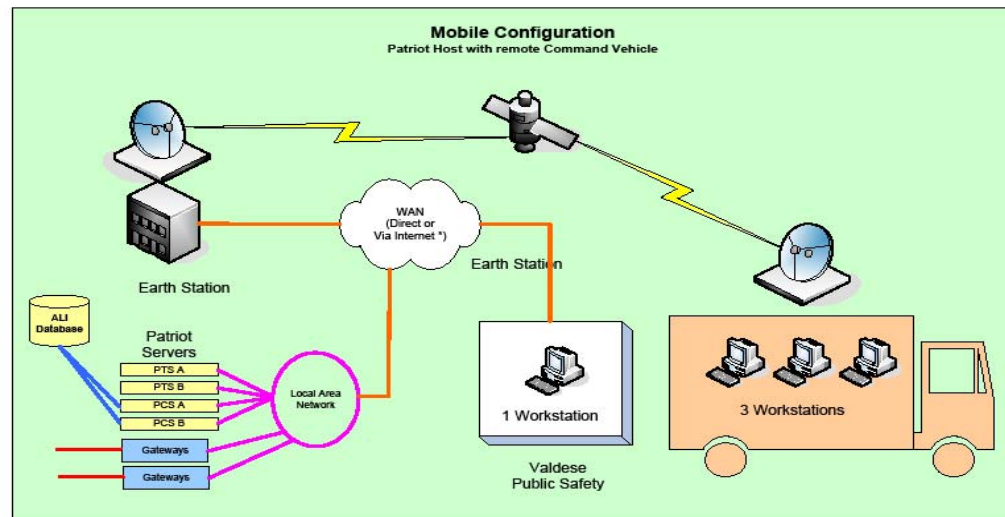


Equipment Location

- Mobile Command Unit
 - 3 Sentinel Workstations
 - Satellite Network System and Services
- SDN NOC
 - Patriot E911 System
 - 3 New 911 Trunks from AT&T
 - Redundant ALI Links
 - Voice Gateways
 - Digi Devices



Satellite-Connected Backup PSAP



PLANT CML

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Project
Burke Co. Mobile PSAP & Remote
Drawn By
R. McLaury

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File Name
Burke Co NC Mobile PSAP-v2k.vsd

10/100 LAN
RS-232

Legend

WAN
CAMA/
Admin





Questions?